



TIMELINEZ

THE JOINT NEWSLETTER OF THE THREE TIMEX-SINCLAIR
USER GROUPS IN THE SAN FRANCISCO BAY AREA
** EBZUG PUG SVSTUG **

A USEFUL UTILITY
by Fred Templeton

1 REM DECIMAL TO BINARY
 BINARY TO DECIMAL
 (POS. OR NEG.)
 (WHOLE OR FRACTIONAL)
 BY FRED TEMPLETON

```

10 INPUT "enter ""D"" for deci
mal to binary""enter ""B"" for
binary to decimal"i$: IF i$<>"b
" AND i$<>"B" AND i$<>"d" AND i$
<>"D" THEN GO TO 10
11 IF i$="b" OR i$="B" THEN GO
TO 100
15 BORDER 5: INPUT "enter deci
mal system number"d
16 PRINT d: IF d<0 THEN PRINT
"-": LET d=ABS d
18 IF d<2 THEN LET i=0: GO TO
30
19 IF d>2+30 THEN PRINT "numbe
r to big"" GO TO 15
20 FOR i=29 TO 1 STEP -1
25 IF d<2+i THEN NEXT i
30 FOR i=i TO 1-29 STEP -1
40 PRINT d>=2+i
50 IF d>=2+i THEN LET d=d-2+i
53 PRINT "." AND (i=0 AND d<>0
)): IF i<=0 AND d=0 THEN GO TO 3
0
70 NEXT i
80 PRINT "": GO TO 1
100 REM     BINARY TO DECIMAL
110 BORDER 5: INPUT "enter bina
ry number"TAB 31;b$: PRINT b$
120 LET l=LEN b$: IF l=0 OR l>32
THEN PRINT "0 OR number too big
": GO TO 110
111 LET s=1: IF b$(1)="-" THEN
LET s=-1: LET b$=b$(2 TO l): LET
l=l-1
115 LET p=l+1: FOR i=1 TO l
116 IF p=l+1 AND b$(i)="-" THEN
LET p=i: LET b$(i TO l-1)=b$(i+
1 TO l): LET l=l-1: GO TO 119
117 IF b$(i)<>"1" AND b$(i)<>"0
" THEN PRINT "invalid binary num
ber": GO TO 110
145 NEXT i: LET d=0: FOR i=p-2
TO p-l-1 STEP -1
160 LET d=d+VAL b$(ABS (1+i-p))
+2+i: NEXT i: PRINT "decimal #="
d$: GO TO 1
9999 SAVE "dec2binary" LINE 1: U
NDEFIN

```

SVSTUG NEWS
by Bill Miller

AT THE APRIL 30 MEETING OF THE
SILICON VALLEY USER GROUP, TERRY
GREENLEE PROVIDED A DEMONSTRATION
OF THE TS-2068 LIBRARY TAPE.

IN ADDITION, BILL MILLER DEMON-
STRATED THE DAMCO WAFADDRIVE
ALONG WITH THE SPECTRAL WRITER
PROGRAM THAT COMES WITH IT.

FUTURE SVSTUG MEETINGS:

TUESDAY, MAY 27
THURSDAY, JUN 26
TUESDAY, JUL 29

THANKS TO JOHN EZIKE OF EBZUG FOR
DISTRIBUTING TIMELINEZ MATERIALS
AT THE WEST COAST COMPUTER FAIRE.

C O N T E N T S

SVUG NEWS, Bill Miller	207
SOFTWARE LIBRARY	208
PUG NEWS, George Mockridge	209
EBZUG NEWS, F. Templeton	210
DEC-HEX-BINARY TABLE	211
NEWSLETTER EXCHANGE	212
COMPUTER CALENDAR	213

SOFTWARE LIBRARIES

EBZUG LIBRARY (As of April 28, 1986)

ANDROIDS
BUGABOO
CASINO 1
CENTIPEDE
CHESS
COLOR ORGAN
CYBERZONE
DATAFILE
DICTATOR
DLAN
DRAW II
EXTENDED BASIC
FALL OF THE THIRD REICH
FLIGHT SIMULATOR
GOLF
GRAFIST
HOME ACCOUNTING
HORACE AND THE SPIDERS
KEYBOARD TUTORIAL
MATH WIZARDRY 1
MEMSCAN B
MINED-OUT
MISC
MTERM II
MUSICOLA
PENETRATOR
SCREEN CODE 2.0
SMUGGLER'S COVE
SPAWN OF EVIL
SPECTRAL INVADERS
SPECTRES
STATES AND CAPITOLS
TAPECOPY
TASWORD TWO
3D TANX
TIMELINEZ INDEX
TINY BOARD
TURTLE GRAPHICS
VU-CALC
VU-FILE
VU-3D
XADOM
ZEUS ASSEMBLER
ZEUS MONITOR-DISASSEMBLER

PUG/SVSTUG LIBRARY (As of April 20, 1986)

AERCO PRINT DRIVER PUB 25A
ASTRO BLASTER; SEE CYCB'D-ASSULT
BIO-RYTHMS 24A
BREATHRU: AN MTERM UTILITY 35A
BUFFERLOADER-MTERM UTILITY 35B
BUGABOO 5A
BUGABOO (SPECTRUM) 32A
CALCULATOR 15A
CASINO 30A
CHRISTMAS MUSIC 37B
CIRCUIT BOARD SCRAMBLE 30B
COLOR ORGAN 29A
COMPACTOR 2068/SPEC 27A
CYBIRD ASSULT (ASTRO BLAST) 33B
CYCLEPATH ; SEE DEATHCHASE
DEATHCHASE (CYCLEPATH) 33A
DIGITAL CIRCUIT DESIGNER 20A
DIRECTORY (JACK DOHANY) 36A
DISASSEMBLER 1A
DISPLAY LANGUAGE 68/SPEC 27B
DRAGMASTER 7A
DRAGONS BANE (SPECTRUM) 31A
DRIVER 3D 3A
EXTENDED BASIC (SPRITES) 22A
FIRST LOADER 16A
FREEWAY 3B
GAME PAC 'PP1' 21A
GAME PAC 'PP2' 21B
GAMES DESIGNER (SPECTRUM) 31B
GLOW-WORM PUB 8A
GOLF 2A
GRAPH 3D 14B
GRID PUB 28B
HEADERS 23A
HORACE & THE SPIDER 10A
HUNGRY HORACE 10B
KEYWORD 19A
LAS VEGAS 14A
MONITOR 1A
MTERM II 23B
NOUGHTS & CROSSES 3D 4A
QUICKLOAD 13A
STATISTICS 9A
TAPE LABELER FOR 2068 38A
TELEPHONE BOOK PUB 6A
TELEPHONEBOOK 3.5 AUTODIAL 36B
TEXTMAN WORD PROCESSOR 11A
THICK CHARACTERS 26B
TOOLKIT 13B
TRACER PUB 12A
TYPEWRITER 17A
TYPEWRITER 64 18A
USR CHARACTERS 26A
VELNOR'S LAIR (SPECTRUM) 32B
VU-CALC 34A
VU-FILE 34B
WORD PUZZLE PUB 28A
WORDS 3D 37A

TIMELINEZ

* PUBLISH! X
* OR PERISH! *

THE JUNE ISSUE
OF TIMELINEZ
WILL BE THE
THIRD
ANNIVERSARY
ISSUE!!

IT WOULD BE A
SHAME NOT TO
PUBLISH THAT
ISSUE BECAUSE
USERS ARE NOT
SENDING IN
MATERIAL!!

PERISH FORBID!

A NOTE FROM FRED TEMPLETON

I am currently working on
converting the TS-2068 8K
EXROM to a 16K EPROM leaving
EXROM intact and installing
my word-processor on Chunk 1
thereby leaving 40K free for
text. I need hardware help
from anyone who is interested
or experienced in making a
jumper to socket a 27128
EPROM from the EXROM socket.
If you can help (or are
interested in the finished
product), please contact:

Fred Templeton
520 Northbrook Court
Antioch, CA 94509

(415) 754-5575

PUG NEWS
by George Mockridge

Those who have attended the last
couple of PUG meetings have no
doubt noticed some personnel and
procedural changes at our mon-
thly gatherings. Norm Lehfeldt
and Jack Dohany are now sharing
the tasks of organizing and pre-
siding over the meetings. Pat
Morrissey will collect dues,
maintain the membership list
and mail the newsletter. I have
been asked to retain the title
of President, but most of my
time will be spent as PUG editor
for TIMELINEZ.

I am sure that PUG will benefit
by having more people involved
in leadership roles. Jack has
a nationwide reputation for his
MScript enhancements and AERCO
expertise. Norm is a QL pioneer
and is also well known on the
Compuserve T/S network through-
out the country. Pat is the
person to contact if you are
getting started with a modem.
He has the knowledge and
documentation to get you going.
Come to the next meeting and
take advantage of our resources.

At the April meeting, in add-
ition to our regular activities,
we had a report from Rita Toth
on the prison project. It is
progressing well and Rita pro-
mised a TIMELINEZ article. Rex
Lundgren and Sunset Electronics
announced that they are provid-
ing repair work on T/S computers.
Broken machines from all over
the country are already arriving
at Sunset. Norm Lehfeldt dialed
up Compuserve on his QL and gave
us a look into some areas of the
large data base which is avail-
able to subscribers.

Before I wrap things up for this
month, I would like to make an
appeal to the person or persons
who have been taking the other
newsletters from around the
country home with them. These
were the ones on the table in
the front of the room. I was in
the process of putting all the
articles into an index so every-
one could have access to items
of interest. I planned to loan
out the N/L's when I got every-
thing catalogued, but now a
large number are missing. I
would ask everyone to please
check their computer literature
and return any Exchange N/L's
that got mixed in with other
papers. SEE YOU ALL MAY 18TH.

EBZUG NEWS
 by Fred Templeton

REPORT ON MEETING OF APRIL 24, 1986: CALLED TO ORDER AT 8:20 PM

PRESIDED OFFICER: WOODY

1. REPORT ON SINCLAIR AQUISITION BY ANOTHER ENGLISH COMPANY - AMSTRAD CONSUMER ELECTRONICS.
2. REPORT ON COMPUTER FAIRE AND SWAP MEETS. SOME MEMBERS REPORT GOOD BARGINS ON SOME OF THEIR PURCHASES.
3. BILL MILLER DISCUSSED THE TIMELINEZ LIBRARY AND OTHER PUBLISHED MATERIAL HE HAS AVAILABE FOR THE GROUP.
4. NOMINATIONS FOR OFFICERS. IT WAS DETERMINED THAT NO NOMINATIONS WOULD BE NEEDED AND THAT THE EXISTING STEERING COMMITTEE WOULD CONTINUE.
5. REPORT ON 1000s BY JOHN: 1000 LIBRARY PRESENTLY INCLUDES SOME NEW MODEM/BBS SOFTWARE. DALE TO BRING VIDE0 BOARD TO NEXT MEETING.
6. MODEMS: WOODY REPORTED THAT THE USER GROUP STILL HAS THREE OR FOUR KITS FOR SALE. 4 BARE BOARDS PER KIT WITH NO GUARANTEE, UNTESTED. AT LEAST 4 OF THE MEMBERS REPORTED THAT THEY GOT THEIRS TO WORK PROPERLY. PRICE APPROXIMATELY \$12.50 PER KIT.
7. DAVID GRAY, BILL, AND KIRK ADAMS SAID THEY WOULD DEMONSTRATE ANY OF THEIR SOFTWARE AT THE REQUEST OF OTHERS. DAVID GRAY LOADED HIS TS-2068 WITH AN 80 COLUMN WORD PROCESSING PROGRAM WRITTEN BY ANOTHER NEW MEMBER SHOWING THAT IT CAN BE DONE (AND IN BASIC: 512 PIXEL SCREEN USING 6 PIXELS PER CHARACTER).
8. THE MEETING THEN DISPERSED INTO INDIVIDUAL GROUPS FOR DISCUSSION AND DEMONSTRATIONS.
9. MEETING ENDED APPROXIMATELY 10:15.

 DEC - HEX - BINARY LOOKUP TABLE

THE FOLLOWING PROGRAM WAS SUBMITTED BY FRED TEMPLETON. HE USES A PRINT-OUT (SEE COPY ON FACING PAGE) TO HELP HIM WHEN WRITTING ASSEMBLY CODE. FRED INDICATES THAT IT IS ESPECIALLY HELPFUL FOR VIGUALIZING BIT PATTERNS FOR LOGIC COMMANDS AND BIT MANIPULATING COMMANDS.

```

1 REM TS2068/2040 DEC - HEX - BINARY LOOKUP TABLE BY FRED TEMPLETON
10 LET h$="0123456789ABCDEF": POKE 23692,255: LET b$= CHR$ 8+ CHR$ 8
20 FOR a=0 TO 127
40 LET c=a+128: LPRINT TAB 17;c;" "h$(INT (c/16)+1);h$(c-INT (c/16)*16+1); TAB 31;: GO SUB 130
50 LET c=a: LPRINT CHR$ 8;b$;b$;b$;b$;
60 GO SUB 130: LPRINT b$;b$;b$;a; TAB 4;h$(INT (a/16)+1);h$(a-INT (a/16)*16+1)
80 NEXT a: STOP
130 FOR b=1 TO 8
150 IF INT (c/2)=c/2 THEN LPRINT b-1;
151 IF INT (c/2) <> c/2 THEN LPRINT INVERSE 1;b-1;
155 LET c= INT (c/2)
160 LPRINT b$;: NEXT b
170 RETURN
  
```

DEC - HEX - BINARY LOOKUP TABLE

by Fred Templeton

[illegible]

FROM THE MAY 86 PLOTTER N/L
OF THE CCAT/S T/S GROUP IN
CLACKAMAS COITY, OREGON.

FROM THE MAR. 86 SUM NATIONAL
N/L IN GAINESVILLE, FLORIDA.

A+ COMPUTER RESPONSE—from New Hampshire, have purchased the entire North American supply of Sinclair products and are the new distributor for the QL line. They have reorganised the dealer structure in this country, and, as the manager of A+, CAROL WHITMAN, said, they were going to separate the men from the boys. They did that by requiring a large initial order to ensure that the dealer was, in fact, a dealer and not just a business owner who saw a way to get a low price on his QL. We understand that they are also going to import a lot of third party products for the QL. We hope so! By the way, they are giving the QL system away at the Cincinnati show.

FROM THE MAR/APR I.B.A. COMPUTER
USERS NETWORK MAGAZINE (FORMERLY
T.S.S. NEWSNOTES).

The January issue of SUM contained a program for solving Jumbled Word Puzzles. Robert Fischer went to work and developed a much shorter version of the BASIC program which will also allow words of any length up to 16 characters (but only 6 fit in the on-screen box). To start over, push the zero key. To communicate with Mr. Fischer, write to 221 Scoggins Street, Summerville, GA 30747.

```
10 POKE 23658,8: BORDER 0: PAP
ER 0: INK 7: CLS: PRINT AT 2,9:
INK 2:"S H U F F L E": INK 7: P
LOT 72,103: DRAW 104,0: DRAW 0,
-25: DRAW -104,0: DRAW 0,25: PRI
NT AT 20,6: INK 1:"ENTER 2 TO 6
LETTERS": INPUT B$: LET A=LEN B$
110 PRINT AT 20,3:"PRESS ANY KE
Y TO CONTINUE ",TAB 10:"0 RESTAR
TS": LET Z$=B$: LET C$="": FOR I
=1 TO A
140 LET R=INT (A*AND)+1: IF B$(
R)="0" THEN GO TO 140
160 LET C$=C$+B$(R)+" ": LET B$(
R)="0": NEXT I: PRINT AT 10,16-
A: INK 6:C$
220 LET B$=Z$: PAUSE 0: LET A$=
INKEY$: GO TO 110-(100 AND A$="0
")
450 SAVE "SHUFFLE" LINE 10
```

CLONING QL's BUNDLED SOFTWARE

One of the most important thing you should first do when receiving your new QL is to make backup copies of the 4 free programs you received with the computer. That is one of the reasons you get 4 blank cartridges with the QL Package. This is very easy to do if you know that a program called Clone is on each of the four program cartridges. Clone is a SuperBasic program that first formats a Blank cartridge then makes a exact copy of all the programs on the original cartridge. You may wish to FORMAT your blank cartridge several times before doing this. You simply place the original cartridge you wish to copy in drive 2 and a new cartridge in drive 1. You can use a used cartridge in drive 1 if you don't mind everything being erased on it.

You then type in: `LRUN MDV2_CLONE`

The computer program will do everything else for you. The whole takes several minutes because there are several programs on each cartridge. You have to repeat the LRUN command with each cartridge you copy as the program names are different.

* * * * *

COMPUTER CALENDAR

* * * * *

M A Y

- 18 Peninsula User Group 1:00
Peninsula Hospital
1783 El Camino Real
Burlingame
- 22 East Bay User Group 7:30
West Branch Library
1125 University Avenue
Berkeley
- 27 Silicon Valley User Group 7:00
Cupertino Library
10400 Torre Avenue
Cupertino

J U N E

- 15 Peninsula User Group 1:00
- 26 East Bay User Group 7:30
- 26 Silicon Valley User Group 7:00

* * * * *

NEW DAY! NEW TIME! NEW STATION!!

THE COMPUTER SHOW
EVERY TUESDAY, 7 TO 8 P.M.
TV STATION KTSF, CHANNEL 26

* * * * *

E B Z U G EAST BAY Z80 USER GROUP
***** 654 40th STREET
RICHMOND, CALIFORNIA 94805
(415) 234-3310

PRESIDENT: (VACANT)

MEETINGS: FOURTH THURSDAY OF EACH MONTH, 7:30 P.M.
WEST BRANCH LIBRARY
1125 UNIVERSITY AVENUE, BERKELEY

MAKE CHECK FOR DUES PAYABLE TO 'WOODY McPHEETERS'.

P U G PENINSULA USER GROUP
***** 263 GATEWAY, NO. 107
PACIFICA, CALIFORNIA 94044
(415) 359-3198

PRESIDENT: GEORGE HOCKRIDGE

MEETINGS: THIRD SUNDAY OF EACH MONTH, 1:00 P.M.
PENINSULA HOSPITAL
1783 EL CAMINO REAL, BURLINGAME

MAIL DUES TO 'PAT MORRISSEY', 2000 CRYSTAL SPRINGS ROAD,
BLDG 21, APT 22, SAN BRUNO, CA 94066

S V S T U G SILICON VALLEY SINCLAIR TECHNOLOGY USER GROUP
***** 6675 CLIFFORD DRIVE
CUPERTINO, CALIFORNIA 95014
(408) 253-3173

PRESIDENT: RITA CARR, (408) 738-2888, X-4579

MEETINGS: LAST TUESDAY OF EACH MONTH, 7:00 P.M.
CUPERTINO LIBRARY
10400 TORRE AVENUE, CUPERTINO

MAKE CHECK FOR DUES PAYABLE TO 'SINCLINK'.

THIS TIMELINEZ NEWSLETTER IS A JOINT PUBLICATION OF THE THREE
TIMEX-SINCLAIR USER GROUPS IN THE SAN FRANCISCO BAY AREA.

NEW MEMBERS AND VISITORS ARE ALWAYS WELCOME.

FOR FULL MEMBERSHIP (WHICH INCLUDES PARTICIPATION IN GROUP
MEETINGS, THE TIMELINEZ NEWSLETTER, TAPE LIBRARY PRIVILEGES,
AND SPECIAL EVENTS), SEND \$15 ANNUAL DUES TO ONE OF THE ABOVE
ADDRESSES WITH THE CHECK MADE PAYABLE AS INDICATED.

FOR ONLY AN ANNUAL SUBSCRIPTION TO NEWSLETTER, SEND \$10 CHECK
PAYABLE TO: TIMELINEZ, P.O. BOX 1312, PACIFICA, CA. 94044

TIMELINEZ

1 REM AN ETCH-A-SKETCH TYPE OF
DRAWING BOARD FOR THE ZX81 AND
THE 1000

2 REM

3 REM (C) 1986 MICHAEL FURMAN

4 REM

5 REM USE THE KEYS Q,A,P,O,TO
MOVE THE CURSOR,E AND Q,A,P,OR O
TO ERASE ONE DOT AT A TIME,AND
R LETS YOU DRAW AGAIN.

6 REM THIS PROGRAM HAS AN "ALL-
WAYS" FLASHING CURSOR.

9 PRINT "ETCH-A-SKETCH"

10 LET X=31

11 LET Y=21

12 LET V=0

20 IF INKEY\$="Q" AND Y<43 THEN
LET Y=Y+1

30 IF INKEY\$="A" AND Y>1 THEN
LET Y=Y-1

40 IF INKEY\$="P" AND X<63 THEN
LET X=X+1

50 IF INKEY\$="O" AND X>1 THEN
LET X=X-1

60 IF INKEY\$<>"C" THEN GOTO 75

70 CLS

71 GOTO 9

80 IF INKEY\$="E" THEN LET V=1

82 IF INKEY\$="R" THEN LET V=0

84 IF V=0 THEN GOTO 92

86 PLOT X,Y

88 UNPLOT X,Y

90 GOTO 20

92 UNPLOT X,Y

94 PLOT X,Y

96 GOTO 20



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